

Issues in Blood Research

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Blood Research: Historical Triumphs

- **Albumin: Stability of National Stockpile**
- **Clotting Factors: Measuring, Standardizing***
- **Immune Globulins: Predicting Stability***
- **Hypotensive Agents in Plasma Products***
- **Standardization of Tests for HIV
(and HBV, HCV, HTLV-I/II)**
- **Role of Antibodies in Viral Partitioning***

Blood Research: Future Challenges

- **Understanding/Eliminating Adverse Reactions**
 - To Immune Globulin Intravenous
 - Antibodies to Clotting Factors
- **Emerging Blood-Borne Infectious Agents**
 - Chagas' Disease (*T. cruzi*)
 - Malaria (*Plasmodium*)
 - CJD, vCJD*
 - West Nile Virus

Blood Research: Future Challenges

- Can we detect the new/emerging agent
 - Reliably?
 - Reproducibly?
 - Rapidly?
- Can we inactivate/remove that agent
 - Without loss of integrity of blood product?
 - Without introducing toxicity?
 - Without incurring long-term adverse effects?